09/889632
JC18 PCT/PTO 19 JUL 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Matter of:

U.S. National Phase Entry
Under 35 USC § 371 from
the International Application of :
Jeffrey John Scheibel et al. :
Int'l Application No. PCT/US99/29776:
Filed in the RO/US on 15 December 1999 :
Entitled: Dishwashing Detergent Compositions Containing
Mixtures of Crystallinity-Disrupted Surfactants

PRELIMINARY AMENDMENT UNDER 37 CFR § 1.112

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to Examination and computation of the fees for entering the captioned International Application into the U.S. National Phase, please preliminarily amend the above-identified application as follows and consider the following Remarks.

AMENDMENTS

IN THE CLAIMS

Please cancel Claims 1-29 and insert therefor new Claims 30-49 as follows.

30. (New) A hand dishwashing composition comprising:

A) from 0.1% to 99.9% by weight, of a surfactant system comprising:

i) from 10% to 100% by weight, of an admixture of two or more alkylarylsulfonate surfactants having the formula:

$$(B\text{-}Ar\text{-}D)_a(M^{q+})_b$$

wherein D is $-SO_3^-$, M is a cation, q is the cation valence, a and b are indices having values which provide said surfactant with charge neutrality; Ar is a C_6 aromatic ring; B is a C_5-C_{20} disrupted hydrocarbyl moiety; said surfactant admixture has a Sodium Critical Solubility Temperature of 40° C or less; and at least one of the following:

a) a modified SCAS test biodegradation which exceeds the value obtained for tetrapropylene benzene sulfonate; or

b) a ratio of at least 5:1 by weight, of non-quaternary carbon atoms to quaternary carbon atom which comprise B;

ii) optionally one or more other detersive surfactants;

B) from 0.0001% to 99.9% by weight, of an adjunct ingredient; and